A1 cont'd

even date herewith, which is hereby incorporated by reference in its entirety for all purposes.

Please amend the specification on page 7, line 3 as follows:

A2

FIG. 4 illustrates a compound of the present invention (dTTP-BQS(++)-BODIPYTR);

IN THE CLAIMS:

Please cancel claim 15 without prejudice or disclaimer.

Please amend claims 1, 6 and 18 as follows:

1. (Amended) A method for separating an intact NP probe from a phosphate detectable moiety, said method comprising:

a) providing a sample comprising an intact NP probe with a detectable moiety attached thereto, whereupon an enzymatic cleavage of said intact NP probe to incorporate said NP probe on a primer strand hybridized to a target nucleic acid, a phosphate detectable moiety is produced, wherein said phosphate detectable moiety carries a molecular charge which is different than the molecular charge of said intact NP probe; and

b) applying an energy field to said sample, thereby separating said phosphate detectable moiety from said intact NP probe.

6. (Amended) The method according to claim 5, wherein said polymerase is immobilized.

18. (Amended) A method for identifying an intact charge-switch nucleotide phosphate (NP) probe, said method comprising:

a) contacting a sample comprising an intact charge-switch NP probe having a charged moiety on the base, with an enzyme to produce a phosphate detectable moiety; and